

Amendments to the Claims:

1. (canceled)
2. (cancelled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (currently amended) A system for transmitting a ~~three-dimensional-digital-image~~ sequence of digital images over a communication network, comprising:
 - [[a)] an image storage device for storing a ~~three-dimensional-digital-image~~ sequence of digital images;
 - [[b)] a client computer coupled to the communication network, wherein the client computer generates a request for interaction with the ~~three-dimensional-image~~ sequence of images stored on the image storage device, the request specifying a quality threshold and including a request list specifying data blocks that define a region of interest within the ~~three-dimensional-digital-image~~ sequence of digital images; and
 - [[c)] a server computer coupled to the communication network and the image storage device, wherein the server computer, in response to the request list, transmits to the client computer a number of data blocks corresponding to the specified quality threshold.
7. (canceled)
8. (canceled)
9. (canceled)
10. (currently amended) The system [[of]] according to claim [[7]] 6, wherein:
 - [[a)] the request generated by the client computer ~~further~~ specifies a resolution; and

[[b)]] the server computer provides a number of data blocks corresponding to the specified quality threshold and resolution.

11. (canceled)

12. (canceled)

13. (canceled)

14. (canceled)

15. (canceled)

16. (currently amended) A method for transmitting a ~~three-dimensional digital image sequence of digital images~~ from a server computer to a client computer over a communication network, comprising the steps of:

[[a)]] storing a ~~three-dimensional digital image sequence of digital images~~ on an image storage device;

[[b)]] the client computer generating a request for interaction with the ~~three-dimensional image sequence of images~~ stored on the image storage device, the request specifying a quality threshold and including a request list specifying data blocks that define a region of interest within the ~~three-dimensional digital image sequence of digital images~~; and

[[c)]] transmitting from the server computer to the client computer, via the communication network, a number of data blocks corresponding to the specified quality threshold.

17. (canceled)

18. (canceled)

19. (canceled)

20. (currently amended) The method [[of]] according to claim [[17]] 16, further comprising the steps of:

[[a)]] including in the request generated by the client computer a specified resolution; and
[[b)]] providing a number of data blocks from the server computer that correspond to the
specified quality threshold and resolution.

21. (canceled)

22. (canceled)

23. (canceled)

24. (canceled)

25. (canceled)

26. (currently amended) A computer program product for communicating a ~~three-dimensional digital image~~ sequence of digital images over a communication network, the ~~three-dimensional image~~ sequence of images stored on an image storage device accessible via the communication network, the computer program product comprising one or more computer data media carrying thereon:

[[a)]] a client portion effecting a client computer request for interaction with the ~~three-dimensional image~~ sequence of images stored on the image storage device, the request specifying a quality threshold and including a request list specifying data blocks that define a region of interest within the ~~three-dimensional digital image~~ sequence of digital images; and

[[b)]] a server computer portion effecting in a server computer, in response to the request list, transmission to the client computer of a number of data blocks corresponding to the specified quality threshold.

27. (canceled)

28. (canceled)

29. (canceled)

30. (currently amended) The computer program product ~~[[of]]~~ according to claim ~~[[27]]~~ 26, wherein:

[[a)] the client computer request ~~further~~ specifies a resolution; and

[[b)] the server portion effects in the server computer a step of providing a number of data blocks corresponding to the specified quality threshold and resolution.

31. (new) The system according to claim 6, wherein said data blocks comprise encoded subband coefficients.

32. (new) The system according to claim 6, wherein said data blocks comprise encoded wavelet coefficients generated using a three-dimensional lossless wavelet transform.

33. (new) The system according to claim 6, wherein said data blocks are generated by said server computer in response to said request from said client computer.

34. (new) The system according to claim 6, wherein said client computer comprises means for requesting fewer quality layers if an image is mapped in accordance with a luminance mapping function to a viewing device having fewer bits per pixel than that of said image.

35. (new) The method according to claim 16, wherein said data blocks comprise encoded subband coefficients.

36. (new) The method according to claim 16, wherein said data blocks comprise encoded wavelet coefficients generated using a three-dimensional lossless wavelet transform.

37. (new) The method according to claim 16, wherein said data blocks are generated by said server computer in response to said request from said client computer.

38. (new) The method according to claim 16, wherein said client computer requesting fewer quality layers if an image is mapped in accordance with a luminance mapping function to a viewing device having fewer bits per pixel than that of said image.

39. (new) The computer program product according to claim 26, wherein said data blocks comprise encoded subband coefficients.

40. (new) The computer program product according to claim 26, wherein said data blocks comprise encoded wavelet coefficients generated using a three-dimensional lossless wavelet transform.

41. (new) The computer program product according to claim 26, wherein said data blocks are generated by said server computer in response to said request from said client computer.

42. (new) The computer program product according to claim 26, wherein said client portion further comprises means for effecting said client computer to request fewer quality layers if an image is mapped in accordance with a luminance mapping function to a viewing device having fewer bits per pixel than that of said image.